## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 17 February 2005 (17.02.2005)

PCT

## (10) International Publication Number WO 2005/015212 A1

(51) International Patent Classification7: 37/00

G01N 33/53,

(21) International Application Number:

PCT/JP2004/011567

(22) International Filing Date: 5 August 2004 (05.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003-288859

7 August 2003 (07.08.2003)

60/542,201

5 February 2004 (05.02.2004)

- (71) Applicant (for all designated States except US): CELL-FREE SCIENCES CO., LTD. [JP/JP]; 75-1, Ono-cho, Tsurumi-ku, Yokohama-shi, Kanagawa 230-0046 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ENDO, Yaeta [JP/JP]; 478-17, Kumanodai, Matsuyama-shi, Ehime 7918016 (JP). SAWASAKI, Tatsuya [JP/JP]; 3-1-8-701, Honmachi, Matsuyama-shi, Ehime 7900811 (JP).
- (74) Agents: SHOJI, Takashi et al.; 6F, SN Iwamotocho Bldg., 2-10, Iwamotocho 3-chome, Chiyoda-ku, Tokyo 1010032 (JP).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE. KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REAGENT FOR PRODUCING A PROTEIN CHIP

(57) Abstract: An object of the present invention is to provide a reagent for protein synthesis by a simple operation which is advantageous in a cell-free protein synthesis in many samples in a test using an aimed (specific) protein or a high throughput analysis using a protein chip, etc. and also to provide a method for the synthesis of protein using the same. Further objects are to provide a protein library using the above-mentioned reagent, a kit for preparing a protein chip, a kit for testing an aimed (specific) protein, etc.